

Approved For Release 2000/09/14 : CIA-RDP86-00244R000200540002-4
1971 ACI CODE

Teleconference

January 18, 1972

This coast-to-coast conference will be telecast from—

10:55 a.m. to 7:15 p.m., EST
 9:55 a.m. to 6:15 p.m., CST
 8:55 a.m. to 5:15 p.m., MST
 7:55 a.m. to 4:15 p.m., PST

Conference locations:

U. of Maryland, Center of Adult Education, College Park
 U. of Alabama, Engineering Bldg., Birmingham
 Massachusetts Institute of Technology, Green Bldg., Cambridge
 Univ. of Illinois Medical Center, Chicago
 Cleveland Engineering Society, Cleveland, Ohio
 Hotel Adolphus, Dallas, Texas
 Univ. of Denver, Boettcher Center, Denver, Colo.
 Engineering Society of Detroit, Detroit, Mich.
 Glenwood Manor, Overland Park, Kan.
 International Hotel, Los Angeles, Calif.
 Thunderbird Motel, Bloomington, Minn.
 Jung Hotel, New Orleans, La.
 New York Univ., Loeb Student Center, N.Y.C.
 Drexel Univ. Activities Center, Philadelphia, Pa.
 U. of Pittsburgh, Grad. School of Public Health, Pittsburgh, Pa.
 Jack Tar Hotel, San Francisco, Calif.
 Washington Plaza, Seattle, Wash.
 The Ontario Science Center, Toronto, Ont. (starts at 10:00 a.m., EST)

A unique opportunity for every engineer and architect to update his professional knowledge by learning firsthand the requirements of the 1971 ACI Code. All the men who will conduct the teleconference participated in the development of the code.

Registrations will be accepted on the day of the conference at any of the locations above. Registration fee: ACI members, \$60; others, \$75. Luncheon included.

Sponsors:

Portland Cement Association
 American Concrete Institute

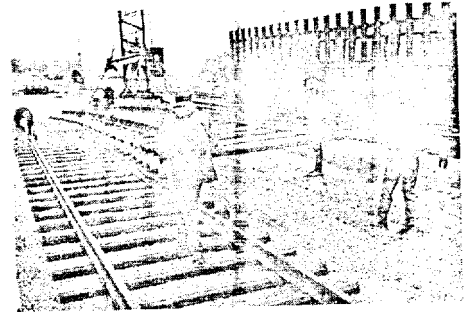
Track panels assemble and disassemble quickly

When the country's first auto-train began operating recently between Virginia and Florida, the runs started and ended on prefabricated steel track placed at a rate of up to more than 4,000 ft per day. L. B. Foster Co. introduced the panels to the U.S. a year and a half ago and has supplied them for over 60 installations. But the 4 miles of auto-train spurs are the largest job yet.

Called Fastrak, the panels have standard rails secured to steel ties by clamps that are held in place by wedges. Normally they are assembled in 39-ft sections, however some 49-ft lengths were placed at the auto-train terminal at Sanford, Fla., near Disney World.

Foster has an automated assembly rig carried on a flatbed trailer to the most convenient location. It fabricates all panels straight. To curve them up to 20 deg, workers knock out the wedges and just move the track with a crane or tractor. For sharper curves, rails must be precurved and the components are shipped disassembled.

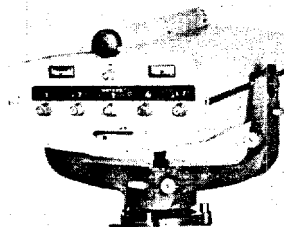
The panels, weighing 5,000 to 6,000 lb, depending on the rail size, are up to 30% lighter than wood-tie systems because the inverted channel ties are more



widely spaced, says Herbert N. Lucas, manager of Foster's track department. They are cheaper than using wood ties and tie plates except for very light rail, he says, and a four-man crew with a small crane can place them. Lucas also says they are cheaper, lighter and more durable than concrete ties.

Steel panels have lasted at least 50 years on main lines in Europe, he says, but they would short out signaling systems commonly used in this country, which depend on insulated rails. So they are intended for construction, mining and industrial lines in the U.S. Since they have standard rail joints, the panels can be quickly disassembled and moved. L.B. FOSTER CO., SEVEN PARKWAY CENTER, PITTSBURGH, PA. 15220.

PRODUCT BRIEFS



Meter meter

New version of Model 3800B distance meter measures in meters rather than feet. It uses an invisible beam of infrared light to measure distances of up to 2 miles. Model 3800A measures in feet. HEWLETT-PACKARD CO., 1601 CALIFORNIA AVE., PALO ALTO, CALIF. 94304.

Self-help level

An automatic level, with accuracy approximating that of an 18-in. engineer's level, requires no leveling screws or telescope vial. Rough leveling to a circular vial is done by tilting unit on a ball and socket bearing. The compensator automatically brings the vial level within a few seconds of arc. BERGER INSTRUMENTS DIVISION OF HIGH VOLTAGE ENGINEERING CORP., 37 WILLIAMS ST., BOSTON, MASS. 02119.

Smoke detector

A products-of-combustion detector that reacts before smoke or fire is apparent, uses the ionization principle rather than smoke, heat or flame for activation, says the manufacturer. A fire gives off more than twice as much invisible products as it does visible smoke, and it is the invisible products to which the detector reacts. The unit has a small, electrical current trickling between two charged plates. Any combustion product interrupts the current and activates an alarm. COMMERCIAL DIVISION OF HONEYWELL, INC., 2727 SOUTH FOURTH AVE., MINNEAPOLIS, MINN. 55408.

Heavy-duty saw

Three heavy-duty Builder's Sawcats, double insulated for added safety, are available. The circular saws, in 8-in., 7¼-in. and 6.5-in. sizes, have an oversize retracting lever, a sawdust chute and a cast aluminum elevating mechanism. BLACK & DECKER MANUFACTURING CO., TOWSON, MD. 21204.

Fastening tool

Low-velocity, powder-actuated tool can drive to ¾-in. heavy-duty pins and studs into solid steel or precast concrete. HILTI FASTENING SYSTEMS, 360 FAIRFIELD AVE., STAMFORD, CONN. 06904.